

METHODS AND SYSTEMS FOR MONITORING
AND DIAGNOSING MACHINERY

ABSTRACT OF THE DISCLOSURE

A method of managing a machinery monitoring system is provided. The machinery monitoring system includes a database of at least one rule set, the rule set including at least one rule expressed as a relational expression of a real-time data output relative to a real-time data input, the relational expression being specific to a plant asset. The method includes importing data representative of a rule set into the machinery monitoring system, applying the at least one rule set to a specific plant asset wherein the at least one rule set is configured to locate the data input using at least a portion of the relative path information, determining a data output of the at least one rule set using the at least one relational expression and the data input, and transmitting the data output to at least one of the machinery monitoring system and the plant monitoring and control system.